

USER MANUAL

INSTALLATION GUIDE

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User Manual

decoflame® bioethanol

fireplace series

World

English



It is imperative that you read this manual before using the product

Keep the manual in a safe place for future reference

Congratulations on your new decoflame® bioethanol fireplace.

IT IS VERY IMPORTANT THAT YOU READ THE ENTIRE INSTALLATION AND OPERATING INSTRUCTIONS AND ADHERE TO THE SAFETY MEASURES DESCRIBED HEREIN.

DECOFLAME CANNOT BE HELD RESPONSIBLE FOR ANY ACCIDENTS OR DAMAGES CAUSED AS A RESULT OF NON-ADHERANCE TO THESE INSTRUCTIONS.

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SAFETY

Naturally, safety is imperative dealing with open fire. All decoflame® fireplaces are designed, manufactured and quality-tested in Denmark with highest product safety and user-friendliness in mind. Our fireplaces feature a unique and design-protected decoflame® burner which is thoroughly tested and its closing mechanism manually adjusted prior to leaving the production line.

Your decoflame® fireplace has been technically engineered to offer not only beautiful design but also functionality and safety. **DO NOT** amend, add or omit any parts or components of this fireplace as this will void your warranty. - Please strictly adhere at all times to all safety measures and installation instructions described in this manual.

POSITIONING

The World Series is primarily intended for indoors use. It can be positioned, however, on a balcony or terrace as well (it should not be kept exposed to the elements, though). Make sure

that the fireplace is placed on a level, solid floor surface with a distance of at least one metre (40 in) from curtains, sun shades and similar textiles or other inflammable objects.

Choose a position for the World before you light it. **DO NOT** move the fireplace while it is lit.

Also, choose a position for your fireplace which is not exposed to any draught, as bioethanol is a volatile fuel. In fact, only the vapour of the bioethanol is burning when lit. You should not touch the flames of the lit fireplace or blow into the flames, as this will cause the flames to escape from the fireplace and they will become uncontrollable.

DO NOT place any valuable paintings or electronic equipment like *TV screens* or *speakers* above the fireplace. The warm air from the fire will rise upwards and might damage anything in its way.

DO NOT recess the World fireplace into any niche or place it below shelving.

You may use this fireplace in conservatories only if their ambient temperature does never exceed normal room temperature.

The fireplace must not be used in a room constructed of highly inflammable material.

Always keep a safety distance of at least 30 cm (12 in) from a lit fireplace.

When lit, the glass screens will be warm, as the heat is led upwards. **DO NOT** place anything on top of your fireplace.

Do you have children or pets in the home? If so, make sure an adult keeps an eye on them at all times during operation of your fireplace and never leave your fireplace unattended when it is lit.

If in doubt, please contact Decoflake.

OPERATING INSTRUCTIONS

ALWAYS light and extinguish your decoflake® fireplace in a safe manner. **ONLY** adults may light and extinguish the flames.

All decoflake® bioethanol fireplaces are designed and manufactured exclusively for use with bioethanol of highest purity (at least 96% but not more than 97.5%). **DO NOT** use any other fuel or materials or bioethanol of inferior quality as this will void your warranty.

We supply our own carefully chosen decoflake® bioethanol. Please ask for sourcing options at your fireplace retailer.

Open a bottle of bioethanol and fill the fuel into the burner up to the max. level indicator. You can use a funnel or a pump in order to avoid spilling. We recommend that you refill the burner every time you wish to use the fireplace as this will make lighting it easier.

Never light a fireplace if you have spilled bioethanol outside the burner.

In case of spillage, wipe off any excess bioethanol from the burner and surrounding surfaces and empty the safety chamber underneath the burner. Then, wash your hands thoroughly before lighting the bioethanol vapours (**danger of burns to your skin**).

Use a long fireplace match or a fireplace lighter to light the vapours.
Keep an appropriate distance when lighting the fireplace.

DO NOT smoke when filling the burner with bioethanol.

DO NOT – under any circumstances – refill the burner when it is in use or still hot from previous use.

DO NOT light the burner in case you have overfilled it! Partly empty the burner and the safety chamber underneath from any excess bioethanol.

We recommend that you always let the fireplace burn until the complete bioethanol filling has burnt off. Should you wish to extinguish the fire before the burner is empty, we recommend that you fill the burner with bioethanol up to the max. level indicator before lighting it again. If the burner is half empty or filled lower than the min. level indicator, the bioethanol gas on top of the remaining liquid fills all of the empty space in the burner. If you were to light this "gas accumulation", you would cause a little explosion. Furthermore, it can be difficult to light a burner which is only half full.

Should it be necessary to extinguish the fire before the burner is empty, please **ONLY** use the following method: place the hole in handle supplied with your fireplace on the stud of the burner lid and slide the lid to a closed position by pulling it in a continuous, decisive movement towards you. In this way, the oxygen supply is interrupted immediately and the flames are extinguished. Should you not succeed at the first attempt, do try again until the flames are extinguished. **DO NOT** attempt to blow out the fire!

IMPORTANT! Wait around 15 – 20 minutes or until you are certain that the burner has cooled down before you refill it with bioethanol.

The bioethanol must be stored safely and out of reach of children.

DO NOT cover the fireplace. **DO NOT** place any inflammable materials or clothes on the fireplace. **DO NOT** place any pebbles or stones on the burner as these will crack and might cause injury or damage to the fireplace. Also, **DO NOT** place any ceramic logs or pebbles on top of the burner as these will increase the combustion temperature, which increases the fuel consumption and might cause undesired micro-particles in the room air.

Ensure that the room in which the fireplace is situated is well ventilated at all times during operation of your fireplace without causing any draught. Please refer to section "Specifications" for recommendations of suitable room sizes for your fireplace.

The metal of the burner and any glass parts of your World fireplace can become hot during use. Avoid contact with those parts to avoid burning.

DO NOT mix bioethanol with other fuels.

Always thoroughly follow the instructions on the packaging of the bioethanol.

Bioethanol is extremely flammable.

Avoid contact with eyes and skin.

We recommend that people with breathing problems or asthma keep a window opened during the use of their bioethanol fireplace.

Avoid draughts, as this can cause soot formation and increases the fuel consumption.

MAINTENANCE

The surface of the burner can change with time due to exposure to the heat of the fire which leads to a slight change in colour or structure. This is to be considered normal wear and tear and does not constitute a product flaw or fault. You can clean it with a household detergent or kitchen paper towel to which you apply a small quantity of bioethanol or another alcohol-based product. You can brush its surface up ever once in a while with the enclosed 3M sponge (always brush in direction of the grain). Use glass cleaner and kitchen paper or a lint-free cloth for the glass screens.

QUESTIONS AND ANSWERS

1. Where can I position the bioethanol fireplace?

You may position the fireplace anywhere, as no chimney or flue is required. For example, you could place it in your flat, house, holiday home – or in your office. The World Series has been designed for indoors use, however, it can also be placed on the balcony or terrace, without exposing it to the elements, though.. See section "Positioning" for more details.

2. Is any kind of approval required?

It is important that you are aware of any local rules and regulations which might apply to the use of bioethanol fireplaces.

3. Is it difficult to install a decoflame® fireplace?

All World Series models are already fully assembled when they are delivered. You just have to place the burner inside the safety chamber.

4. Is the fireplace ready for use after unpacking?

Once it is positioned safely in accordance with the instructions given herein, the only thing you need to add is bioethanol.

5. What is the best way to light the fireplace?

Use long fireplace matches or fireplace lighters.

6. Is bioethanol dangerous?

Bioethanol is neither dangerous to humans nor the environment and it is biodegradable. Bioethanol is alcohol which is made by means of fermentation of organic, sustainable and environmental-friendly raw materials such as corn, potatoes and sugar cane. This alcohol is then denatured, i.e. made unfit for human consumption. During combustion, water vapour and carbon dioxide are created. Only the gas of the bioethanol burns, and bioethanol changes its condition from liquid to gas form at around 15°C (59°F). The bioethanol gas is heavier than air, so it will always remain on top of the surface of the liquid bioethanol. Make sure that you keep the fuel in a safe place out of reach of children.

Denatured Bioethanol is classified as a Flammable Liquid Class 1B (for Flammability) and Class 3 PGII (for Transportation) and is regulated by various standards around the world. You must familiarise yourself and comply with these regulations in order to safely and legally store, handle, decant and use this fuel.

7. Is it dangerous to inhale the gas that is developed during combustion?

When burning, bioethanol is dissolved into not much else but water vapour and CO₂ (carbon dioxide). As the combustion temperature of your decoflame® bioethanol fireplace lies below 400°C, there are not any other harmful substances (like aldehyde) released which usually occur at combustion temperatures of over 700°C. Always make sure that the room in which the fireplace is situated is well ventilated (without causing a draught) in order to ensure a sufficiently high level of oxygen (i.e. a good quality of your room air) during operation of the fireplace – as fire consumes oxygen.

8. In which quantities is bioethanol supplied?

decoflame® bioethanol is supplied in various container sizes. In order to facilitate filling of the burner you should fill a smaller container with bioethanol and use this for pouring the liquid into the burner using a funnel to avoid spillage. Alternatively, using a battery-driven pump has proven helpful.

9. What is the burning duration of one litre of bioethanol?

Between 4-8 hours, depending on the burner size, the room ventilation and setting of the flame intensity.

10. Does the fireplace give off much heat when in use?

The heat efficiency of the decoflame® **World Series models** varies between 2-7 kW/h – of which 100% remain indoors (compared to a traditional wood-burning fireplace). Nonetheless, our fireplaces are designed mainly for decorative purposes - they should only be considered a *supplement* to any primary heating source.

11. Can paper and wood be used as fuels on the decoflame® fireplace?

No, you may *only* use bioethanol – we recommend a purity of not less than 96% but not more than 97.5%.

12. How can the flame be extinguished when the fireplace is lit?

Ideally, and as recommended, you allow *all* of the bioethanol in the burner to be burnt. Should you extinguish the fire at a time when there is still bioethanol left in the burner, please **ONLY** use the following method: place the hole in handle supplied with your fireplace on the stud of the burner lid and slide the lid to a closed position by pulling it towards you in *one decisive continuous* movement.

13. What shall I do if I have overfilled the burner?

DO NOT light the burner! Lift the burner out of its safety chamber (wear rubber gloves and reach into the burner opening grabbing its top plate) and empty part of the bioethanol into a container (bucket, bowl or similar – you can discard it into the toilet or kitchen sink and flush it away with water as it is only alcohol) until the burner is only filled up to the max. level indicator. Dry off any bioethanol from the top and the outside of the burner. Then use kitchen paper to dry off any liquid from the safety chamber. Re-insert the burner into the safety chamber. Remove the rubber gloves and light the burner.

World Series

INSTALLATION GUIDE

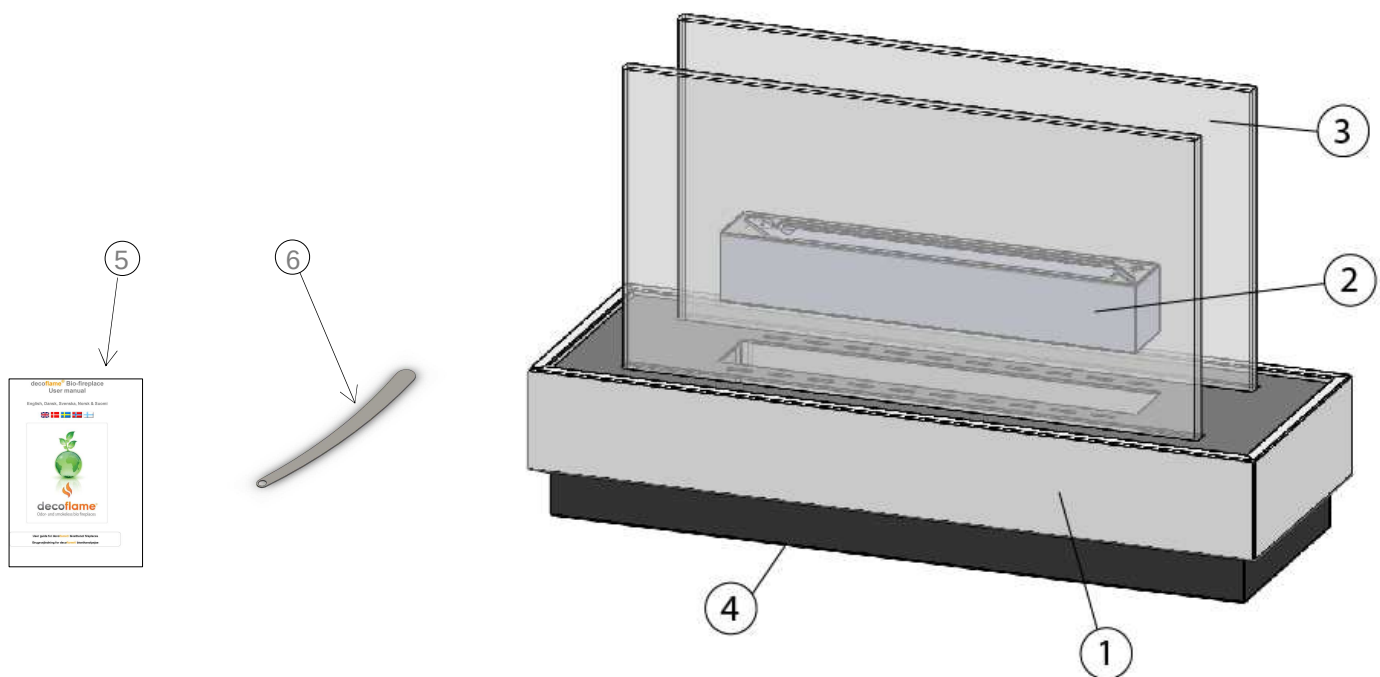
Before you start installation of your fireplace, please check that the packaging is intact and that all parts as listed below are included.

Contents of the boxes:

1. Body of the fireplace (1)
2. Burner with slider lid (1+1)
3. Hardened glass screens (2)
4. Hidden wheels (4)
5. User Manual
6. Handle for slider lid (1)

Installation of World Series models (best done by two people)

1. Carefully lift the fireplace from the pallet on which it was delivered – this is best done by two people, as the fire is heavy.
2. Take the burner out of its card wood box and insert it carefully into the safety chamber. Place the slider lid onto the burner.
3. The hidden wheels facilitate easy repositioning of your World fireplace when it is not lit. .



SPECIFICATIONS

World Plaza

Room volume:

min. 56m³

Heat Efficiency:

around 3.2 kW/h

Burner volume:

3 litres of bioethanol. Only use bioethanol of at least 96% for decoflame® fireplaces.

Burning duration:

One burner filling will last around 4 – 8 hours, depending on flame intensity and air flow.

World Empire

Room volume:

min. 80m³

Heat Efficiency:

around 6.7 kW/h

Burner volume:

4 litres of bioethanol. Only use bioethanol of at least 96% for decoflame® fireplaces.

Burning duration:

One burner filling will last around 4 – 8 hours, depending on flame intensity and air flow.



decoflame®
burning inspiration

For more info please visit www.decoflame.com

or contact DecoFlame at info@decoflame.dk